DEPARTMENT OF TRANSPORTATION
HAZARDOUS MATERIALS REGULATIONS BOARD
WASHINGTON, D.C. 20590

[49 CFR Part 173]

[Docket No. HM-92; Notice No. 71-26]

TRANSPORTATION OF HAZARDOUS MATERIALS

Retest Requirements for Tank Cars

The Hazardous Materials Regulations Board is considering amendment of §§ 173.31 and 173.119 of the Department's Hazardous Materials Regulations to delete reference to the specification ARA-II tank car and to update the tank car retest requirements.

A number of the specifications listed are for tank cars known to be quite old. Conclusive information that such tanks may no longer be in use in transportation is requested. The 50-year prohibition on car age has removed ARA-II from interchange and for this reason, reference to that specification is proposed to be deleted from § 173.31(a)(2) Table, Retest Table 1, and § 173.119 (f)(4) and (h).

The tank car Retest Table 1 in § 173.31 would be revised to (1) provide for new tank car specifications that have been proposed in HM-89; Notice No. 71-23 (36 F.R. 13405), HM-90; Notice No. 71-24 (36 F.R. 16680), and HM-91; Notice No. 71-25 (36 F.R. 20166); (2) provide for correct references for converted cars; and (3) provide retest requirements for some specifications which are in the regulations but for which requirements were never included in the table.

In consideration of the foregoing, 49 CFR Part 173 would be amended as follows:

(A) In § 173.31, paragraph (a)(2) Table would be amended by deleting Spec. ARA-II each time it appears in the table; paragraph (c)(3) would be amended; paragraphs (c)(11) and (12) would be added; Retest Table 1 would be amended in its entirety and replaced to follow paragraph (c)(12), footnote *b* would be amended and footnotes *q* and *r* would be added to read as follows:

§ 173.31 Qualification, maintenance, and use of tank cars.

* * * * *

(c) * * *

(3) Unless longer retest interval is authorized, tanks in service 10 years or over must be internally inspected and interior heater systems inspected for defects which would make leakage or failure probable during transit.

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(11) Any glass, rubber, or lead-lined tank need not be periodically retested, but the interior heater systems and safety relief valves must be retested at the prescribed interval. See also subparagraph (9) of this paragraph.

(12) Any tank lined with an elastomeric polyvinyl chloride at least 3/32-inch thick need not be periodically retested, but the heater systems and safety relief valves must be retested at the prescribed intervals. The tank must be retested before lining is renewed.

RETEST TABLE 1

Specification	Retest interval years				Retest pressure-psi		
	Tank and interior heater systems			Safety relief valve	Tank	Safety relief valve	
	Up to 10 years	Over 10 to 22 years	Over 22 years			Start to discharge	Vapor tight
DOT-103	10	10	10	10	60	[e] 35	28
103AL		5	5	5	60	35	28
103W		[p] 20	10	10	60	[e] 35	28
103ALW	10	10	10	10	60	35	28
103A	[d] 5	3	1	2	60	35	28
103AW[r]	[d] 5	3	1	2	60	35	28
103A-ALW	[d] 5	3	1	(o)	60	[b] 35	28
103ANW	[d] 5	3	1	2	60	35	28
103B	[f] 5	[f] 3	[f] 1	None	60		
103BW	[f] 5	[f] 3	[f] 1	None	60		
103B100W	[f] 5	[f] 3	[f] 1	(o)	100	75	60
103C	5	3	1	(o)	100	75	60
103CAL		2	1	(o)	60	60	
103CW	[d] 5	3	1	(o)	60	[b] 35	28
103DW	[d] 5	3	1	(o)	60	35	28
103EW	[d] 5	3	1	(o)	60	35	28
104	10	10	10	10	60	[e] 35	28
104A	10	10	10	5	100	75	60
104W		[p] 20	10	10	60	[e] 35	28
105			[a] 10	[a] 5	500	[g] 225	180
105A100	10	10	10	5	100	75	60
105A100ALW	10	10	10	5	100	75	60
105A100W	10	10	10	5	100	75	60
105A200ALW	10	10	10	5	200	150	120
105A200F	10	10	10	5	200	150	120
105A200W	10	10	10	5	200	150	120
105A300	[a] 10	[a] 10	[a] 10	[a] 5	300	[g] 225	180
105A300ALW	10	10	10	5	300	225	180
105A300W	[a f i] 10	[a f i] 10	[i] 10	[a i k] 5	300	[g n] 225	[n] 180
105A400	[a] 10	[a] 10	[a] 10	[a] 5	400	300	240
105A400W	[a] 10	[a] 10	[a] 10	[a] 5	400	[m] 300	240
105A500	[a] 10	[a] 10	[a] 10	[a] 5	500	[h] 375	300
105A500W	[a f] 10	[a f] 10	[a f] 10	[a k] 5	500	[h] 375	300
105A600	[a] 10	[a] 10	[a] 10	[a] 5	600	450	360
105A600W	[a] 10	[a] 10	[a] 10	[a] 5	600	[m] 450	360
109A100ALW	10	10	10	5	100	75	60
109A200ALW	10	10	10	5	200	150	120
109A300ALW	10	10	10	5	300	225	180
109A300W	10	10	10	5	300	225	180
111A60ALW1	10	10	10	10	60	35	28
111A60ALW2	[d] 5	3	1	(o)	60	35	28
111A60F1	10	10	10	10	60	35	28
111A60W1		[p] 20	10	10	60	35	28
111A60W2 [q]	5	3	1	2	60	35	28
111A60W5	5	3	1	None	60		
111A60W7	5	3	1	(o)	60	35	28
111A100ALW1	10	10	10	10	100	75	60
111A100ALW2	5	3	1	(o)	100	75	60
111A100F1		10	10	10	100	75	60
111A100W1		[p] 20	10	10	100	75	60
111A100F2 [q]	5	3	1	2	100	75	60
111A100W2 [q]	5	3	1	2	100	75	60
111A100W3		[p] 20	10	10	100	75	60
111A100W4	10	10	10	5	100	75	60
111A100W5	[f] 5	[f] 3	[f] 1	None	100		
111A100W6	[d] 5	3	1	(o)	100	75	60
112A200W	10	10	10	5	200	150	120
112A340W	10	10	10	5	340	[n] 255	[n] 204
112A400F		10	10	5	400	300	240
112A400W	10	10	10	5	400	[n] 300	[n] 240
112A500W	[a] 10	[a] 10	[a] 10	5	500	[h] 375	300
113A60W	(1)	(1)	(1)	(1)	(1)	(1)	(1)
113A175W	(1)	(1)	(1)	(1)	(1)	(1)	(1)
113C120W	(1)	(1)	(1)	(1)	(1)	(1)	(1)
113D120W	(1)	(1)	(1)	(1)	(1)	(1)	(1)
114A340W	10	10	10	5	340	[n] 255	[n] 204
114A400W	10	10	10	5	400	[n] 300	[n] 240
115A60ALW	10	10	10	5	60	35	28
115A60W1	10	10	10	5	60	35	28
115A60W6	10	10	10	5	60	35	28
EMERG. USG-A, B & C		10	10	10	60	25	
ARA-III			10	10	60	[c] 25	20
III acid (unlined)			1	None	60		
III (rubber lined)			(f)	None	60		
IV			10	10	60	[c] 25	20
IV-A			10	5	100	35	28
V			[c] 10	[c] 5	300	[g] 225	180

[b] Specifications 103CW and 103A-ALW cars built prior to Aug. 31, 1956, equipped with safety relief valves set to discharge at 45 p.s.i., may be continued in service. Such valves may be set to discharge at 35 p.s.i. by installing a spring suitable for the lower pressure. Specifications 103A-ALW and 103CW tank cars used to transport anhydrous hydrazine may have a safety relief valve having a start to discharge pressure of 45 p.s.i. with a tolerance of plus or minus 3 p.s.i. and a vapor tight pressure of 36 p.s.i.

[q] When tanks are converted to class DOT-111AW2 or F2 from existing pressure type tanks, the retest interval must be computed from the date converted instead of the date built. The conversion date must be stenciled on the tank below the built date.

[r] When tanks are converted to class DOT-103AW from existing DOT-103W tanks, the retest interval at conversion must be computed the same as 10-year-old equipment.

§ 173.119 [Amended]

(B) In § 173.119, paragraphs (f) (4) and (h) would be amended by deleting "Spec. ARA–II" each time it appears in the paragraphs.

Interested persons are invited to give their views on this proposal. Communications should identify the docket number and be submitted in duplicate to the Secretary, Hazardous Materials Regulations Board, Department of Transportation, 400 Sixth Street SW., Washington, DC 20590. Communications received on or before January 18, 1972, will be considered before final action is taken on the proposal. All comments received will be available for examination by interested persons at the Office of the Secretary, Hazardous Materials Regulations Board, both before and after the closing date for comments.

This proposal is made under the authority of sections 831–835 of Title 18, United States Code, and section 9 of the Department of Transportation Act (49 U.S.C. 1657).

Issued in Washington, D.C., on October 8, 1971.

G. H. READ,
Captain, Alternate Board Member for the United States Coast Guard.

MAC E. ROGERS,
Board Member for the Federal Railroad Administration.

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